

What is claimed is:

1 1. A switching system to interconnect a plurality of peripherals and a video display device
2 with a plurality of computers, allowing a user to access any one of said computers by using said
3 peripherals, comprising:

4 an input/output switching hub to route control signals transmitted from the peripherals to
5 a selected computer, and to route video signals received from said selected computer to the video
6 display device;

7 a peripheral connection module to receive said control signals, and to route said video
8 signals;

9 a computer interface connection unit to route said control signals, and to receive said
10 video signals; and

11 a memory device to store data from said selected computer, and to transfer said data to
12 any one or more of said computers.

1 2. The switching system of claim 1 wherein said input/output switching hub is coupled
2 between said computer interface connection unit and said peripheral and video connection
3 modules.

1 3. The switching system of claim 1 wherein the peripheral connection and video connection
2 are coupled between said peripherals and said input/output switching hub.

1 4. The switching system of claim 1 wherein said computer interface connection unit is
2 coupled between said input/output switching hub and said plurality of computers.

1 5. A switching system to interconnect a plurality of peripherals including a keyboard, a
2 cursor control device, and a video display device with a plurality of computers, allowing a user
3 to access any one of said computers by using said peripherals, comprising:

4 an input/output switching hub to route keyboard and cursor control signals transmitted
5 from the peripherals to a selected computer and to route video signals received from said
6 selected computer to the video display device;

7 a keyboard connection module, cursor control connection module and video connection
8 module to receive said transmitted keyboard and cursor control signals, and to route said
9 received video signals;

10 a computer interface connection unit to route said transmitted keyboard and cursor
11 control signals, and to receive said received video signals; and

12 a memory device to store data from said selected computer, and to transfer said data to
13 any one or more of said computers.

1 6. The switching system of claim 5 wherein said input/output switching hub is coupled
2 between said computer interface connection unit and said keyboard, cursor control and video
3 connection modules.

1 7. The switching system of claim 5 wherein the keyboard connection, cursor control
2 connection and video connection are coupled between said peripherals and said input/output
3 switching hub.

1 8. The switching system of claim 5 wherein said computer interface connection unit is
2 coupled between said input/output switching hub and said plurality of computers.

1 9. The switching system of claim 5 wherein said computer connection interface unit
2 comprises:

3 a plurality of keyboard interface connections;

4 a plurality of cursor control interface connections; and

5 a plurality of video interface connections.

1 10. The switching system of claim 5 wherein said memory device is coupled to said
2 computer interface connection unit.

1 11. The switching system of claim 10 wherein said computer interface connection unit is for
2 routing data to said memory device.

1 12. The switching system of claim 10 wherein said memory device is random access
2 memory.

1 13. The memory device of claim 12 wherein said memory is a fast magnetic data storage
2 module.

1 14. A method of transferring data from a selected computer to any one of a plurality of
2 computers through a switching system comprising:
3 providing a first user command on said data from said selected computer;
4 transferring said data to a memory device of said switching system;
5 switching from said selected computer to any one of said plurality of computers; and
6 providing a second user command to transfer said data from said memory device to said
7 one of a plurality of computers.

1 15. The method of claim 14 wherein said first and second user commands are identified by
2 said selected computer for routing data between said memory device and said selected computer.

1 16. The method of claim 15 wherein said switch from selected computer to any one of said
2 plurality of computers is performed by an additional user command.